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ABSTRACT

This annotated bibliography lists currently available criterion-referenced measures. It includes measures appropriate for a wide range of goals and across a variety of subjects. The inclusion of a test in this bibliography should not be construed as a recommendation of that test. (Author/DEP)

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Pamela Rosen, Editor

July 1973

CRITERION-REFERENCED MEASURES

This annotated bibliography lists currently available criterion-referenced measures. It includes measures appropriate for a wide range of grades and across a variety of subjects.

Information was obtained from the holdings and references of the Educational Testing Service Test Collection. Please do not write the Test Collection for inspection copies since the Collection does not have distribution rights for its holdings. Specimen sets (when available) and/or specific information concerning the tests described must be obtained directly from the publisher or author. Refer to the listing of publishers at the end of this bibliography for complete addresses.

The APELL Test by Eleanor V. Cochran and James L. Shannon; c1969-70; Ages 4.5-7; EDCODYNE Corporation.

A system of instructional diagnosis and design which assists the teacher in identifying the individual needs of the child. The test diagnoses skill levels based on specific performance objectives. Subscores are: Pre-Reading (visual discrimination, auditory discrimination, letter names), Pre-Math (attributes, number concepts, number facts), and Language (nouns, pronouns, verbs, adjectives, plurals, prepositions). A Spanish translation is available.

Basic Concept Inventory by Siegfried Engelmann; c1967; Ages 3-10 Years; Follett Educational Corporation.

An individually administered measure which provides indices of specific instructional deficits. Subscores are: Basic Concepts, Statement Repetition and Comprehension, and Pattern Awareness. The Inventory is primarily intended for culturally disadvantaged preschool and kindergarten children, slow learners, emotionally disturbed children, and mentally retarded children.

Basic Educational Skills Inventory, Experimental Edition: Math by Gary Adamson, Morris Shrago, and Glen Van Etten; c1972; Kindergarten and Above; Select-Ed, Inc.

Designed to aid in the diagnosis of skill deficits in mathematics. The inventory is correlated to specific educational descriptor terms. It consists of a number of stimulus cards and provides scoring sheets that serve as pre- and post-inventory files.

Basic Educational Skills Inventory, Experimental Edition: Reading by Gary Adamson, Morris Shrago, and Glen Van Etten; c1972; Kindergarten and Above; Select-Ed, Inc.

A series of stimulus cards comprise this diagnostic device for identifying skill deficits in reading.

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Carver-Darby Chunked Reading Test by Ronald P. Carver and Charles A. Darby Jr.; c1970; Grades 7-16 and Adults; American Institutes for Research.

Designed to measure an individual's information processing and storage behavior during reading. The test yields three scores–Efficiency, Accuracy, and Rate–which are analyzed together.

Delco Readiness Test by Walter M. Rhoades; c1970; Kindergarten-Grade 1; Delco Readiness Test.

Designed to provide an indication of readiness for beginning reading instruction. Eye-hand coordination, small muscle control, and left-right discrimination at increasing levels of difficulty are assessed by the Visual-Motor subtest. The Visual Discrimination subtest determines ability to visually discriminate designs and symbols at increasing levels of difficulty. Supplementary assessment devices, behavioral objectives, suggested teaching strategies, and readiness tasks in four skill areas are provided in the manual.

Illinois Tests in the Teaching of English-Knowledge of Language: Competency Test A by William H. Evans and Paul H. Jacobs; c1969-72; Preservice and Inservice High School English Teachers; Southern Illinois University Press.

Assesses teachers' attainment of objectives based on professionally established criteria. The test covers: the functioning of language; the principles of semantics; systems of English grammar; the history of the English language, including its phonological, morphological, and syntactic changes; and concepts about levels of usage and dialectology.

Illinois Tests in the Teaching of English–Attitude and Knowledge in Written Composition: Competency Test B by William H. Evans and Paul H. Jacobs; c1969-72; Preservice and Inservice High School English Teachers; Southern Illinois University Press.

The test is concerned with teachers' attitude toward or philosophy of the teaching of written composition. It also assesses their ability to: recognize characteristics of good writing, perceive the complexities of composing, and recognize and analyze the strengths and weaknesses of a composition and communicate this analysis effectively. The test objectives are based on professionally-established criteria.

Illinois Tests in the Teaching of English–Knowledge of Literature: Competency Test C by William H. Evans and Paul H. Jacobs; c1969-72; Preservice and Inservice High School English Teachers; Southern Illinois University Press.

Designed to assess teachers' familiarity with: patterns of development of English and American literature, major authors representative of various genres and periods, literature concerning minority groups, both ancient and modern major works of literature, major critical theories and schools of criticism, and literature suitable for adolescents.

Illinois Tests in the Teaching of English–Knowledge of the Teaching of English: Competency Test D by William H. Evans and Paul H. Jacobs; c1969-72; Preservice and Inservice High School English Teachers; Southern Illinois University Press.

Designed to enable teachers to demonstrate their familiarity with: learning processes and adolescent psychology; corrective and developmental reading techniques; professionally-endorsed principles of evaluation and test construction; the content, instructional materials, and organization of secondary English programs, concepts of the role of English in the total school program, and principles of curriculum development in English; and professionally-endorsed ways to teach English, to select and adapt methods and materials, to develop sequential assisgnments, and to challenge students.

Individualized Mathematics Program: Level C by James C. Young, Joseph R. Klinger, Pamela A. Davis, and Graham P. Lovelace; c1970; Grades 7-9; Educational and Industrial Testing Service.

An individually prescribed instructional system based on stated performance objectives and containing assessment and diagnostic devices with correlated teaching materials and methods. The program consists of preassessment instruments (the Tests of Achievement in Basic Skills, TABS-Form I), a Checklist of Performance Objectives, lesson units correlated with the performance objectives (Math-Paks), and post-assessment instruments (TABS-Form II). Objectives cover the following areas: Arithmetic Skills (whole numbers, integers, rational numbers, irrational numbers, and literal numbers), Geometry-Measurement-Application, and Modern Concepts.

The Instant Word Recognition Test by Edward Fry; c1971; Grades 1-4; Dreier Educational Systems, Inc.

This criterion-referenced test measures sight recognition of the Instant Words in order to determine the starting point in teaching Instant Words, a graded high-frequency reading vocabulary. It may also be used to determine general reading achievement for group placement. The test can be administered to older children who are in remedial reading programs.

Instructional Objectives Exchange; 1970-72; Preschool-Grade 12; The Instructional Objectives Exchange.

The Instructional Objectives Exchange consists of a number of separate collections of instructional objectives based upon curric-

r materials and pools of items designed to assess the attainnt of the objectives.

asures of Self-Concept, Kindergarten-Grade 12: Revised Edi-

s series of affective objectives concerning learner's self-ncept is a revision of the original collection. Major dimensions self-concept considered are: peer, scholastic, family, and gen-l. Self-report inventories (direct and inferential) and observa-nal inventories are provided to assess the attainment of each ective.

jective Collection in American Government, Grades 9-12

ior categories of this series of instructional objectives are: roduction to government, our colonial heritage, the American stitution, government and the citizen American politics, anization and function of the congress, the presidency and the cutive, the federal judiciary, state and local government.

jective Collection in American History, Grades 7-12

phasis of this collection of instructional objectives and items placed on the political, social, and economic concepts, prob-s, and fundamental issues in American history from the Pre-volutionary period to modern times.

jective Collection in Anthropology, Grades 4-6

collection of objectives on anthropological concepts using ieties and cultures commonly studied in the elementary cur-ulum. The areas covered are: man as a unique animal; fossil n and prehistory; the record of culture; the nature of culture; etics, evolution, and race.

jective Collection in Attitudes Related to Tolerance, Grades 2

collection of affective objectives dealing with tolerance for the ues and opinions of others. Direct and inferential self-report asures, sociometric devices, and observational techniques are vided to assess attainment of the objectives. Attitudes toward ersity of experiences and ethnic groups are the bases for the asures.

jective Collection in Attitude Toward School, Kindergarten-de 12: Revised Edition

collection of affective objectives dealing with the learner's -concept as reflected in attitudes toward teacher, school jects, learning, peers, social structure and climate, and general evision of the original collection. An observational indicator both direct and inferential self-report measures are provided assess attainment of each objective.

jective Collection in Auto Mechanics, Grades 10-12

nsists of a number of instructional objectives based upon cur-ular materials with items to assess the attainment of the objective. Content reflects behavioral objectives generally required in a comprehensive course in automotive tune-up and repair.

Objective Collection in Biology, Grades 10-12

Emphasis is placed on processes of inquiry and laboratory work, either directly or indirectly. The objectives in this Collection are based on the Biological Sciences Curriculum Study but can be used in any biology program.

Objective Collection in Bookkeeping, Grades 10-12

The objectives and items comprising this collection cover journalizing, posting, preparing a trial balance, preparing a financial statement from the worksheet, making closing entries, balancing and ruling accounts, preparing and post-closing a trial balance, banking transactions, handling payroll records, recording depreciation and bad debts, recording accrual and deferred expenses, and demonstrating proficiency in bookkeeping vocabulary.

Objective Collection in Business Education—Secretarial Skills, Grades 10-12

The objectives and related items cover typing, shorthand, office machines, filing, telephone answering and processing, basic forms of business English, and the fundamentals of office behavior and appearance.

Objective Collection in Business Law, Grades 10-12

This collection covers the basic foundations and skills of business law: legal foundations, the law of contracts, property, negotiable instruments, insurance, and agency.

Objective Collection in Early Childhood Education

A collection of objectives and accompanying items designed for use with young children (aged 3-6) in Head Start and other preschool programs. Objectives cover: achieving in the arts, language arts, math and arithmetic skills, promoting physical growth, science, and satisfying personal and social needs.

Objective Collection in Electronics, Grades 7-12

A number of instructional objectives covering the basic concepts and skills of electronics, fundamentals, direct current circuits, transformers, and regulators.

Objective Collection in English Literature, Grades 7-9

The objectives and accompanying items in this collection emphasize the student's ability to analyze literature and to evaluate its effects. Content areas include poetry and the novel.

Objective Collection in English Literature, Grades 10-12

This collection of instructional objectives is designed to develop the student's ability to analyze literature and to evaluate its effects. Content areas include poetry, the novel, drama, short story, and non-fi

Objective Collection in General Business, Grades 10-12

Consists of a number of instructional objectives and a pool of items covering money and banking, consumer buying, credit, insurance money management, communication services, transportation and shipping services.

Objective Collection in General Metals, Grades 7-12

A collection of objectives and items which cover introductory concepts and skills in general metals. Content areas are: properties of metal, operations and functions, cutting and shearing, filing, cutting holes, grinding, bending metal, forming metal, metal spinning, threaded fasteners, soldering, riveting, sheet metal seams, polishing and buffing metal surfaces, and decorating metal.

Objective Collection in Geometry, Grades 10-12

Areas covered by this set of objectives include: sets; points, lines, and planes; angles, parallelism, and perpendicularity; triangles, congruences, and inequalities; polygons; circles, arcs, and angles; ratios and proportions; similarity; constructions and loci; coordinate geometry; trigonometry; logic and proof; solids; and areas and volume.

Objective Collection in Health (Nutrition), Kindergarten-Grade 6

The content areas of this collection include: daily food choices using the four basic food groups, nutrients from food, how the body uses food, food processing, consumer education in advertising and mechandising, and social and cultural uses of food.

Objective Collection in Home Economics, Grades 7-9

Consists of instructional objectives which cover child development, clothing and textiles, consumer practices, foods and nutrition, and home management and family economics.

Objective Collection in Home Economics, Grades 10-12

The objectives and items in this collection cover child development, clothing and textiles, consumer practices, foods and nutrition, and home management and family economics.

Objective Collection in Judgment: Deductive Logic and Assumption Recognition, Grades 7-12

A collection of objectives related to the student's ability to make judgments based on logical analysis in emotional and nonemotional cases. The logical skills assessed are in the areas of conditional reasoning, class reasoning, assumption recognition, and recognition of reliable observations. An inventory is provided to measure attainment of each objective.

Objective Collection in Knowledge and Attitudes of Drug Usage, Grades 4-12

Both cognitive and affective measures are included in this collection. The types of measures employed are: direct report, knowledge, indirect, archival, observational, and planning information. The secondary grades measures are appropriate for use with community college students.

Objective Collection in Language Arts; Composition Skills, Kindergarten-Grade 12: Revised Edition

A series of objectives dealing with composition skills. Objectives in section I, Basic Composition, are organized into the major categories of story writing, (fanciful and realistic), letters (business and social), figurative and descriptive language, poetry skills, and poetry writing. Section II, Paragraph Form and Development, contains objectives in the areas of expository paragraph form, general expository methods of paragraph development, narrative development, descriptive development, discursive development, and generative development.

Objective Collection in Language Arts: Comprehension Skills, Kindergarten-Grade 12; Revised Edition

Includes objectives which cover literal and interpretive comprehension of pictorial and written materials, dealing with unfamiliar vocabulary in written material, and comprehension of nonwritten materials (visual and/or aural).

Objective Collection in Language Arts: Decoding Skills, Kindergarten-Grade 12: Revised Edition

A collection of instructional objectives in language arts covering basic decoding (phonics) skills. These include: visual/auditory discrimination, sight vocabulary, recognition of letters by name, recognition of sounds and their association with letters, and pronunciation of letter combinations and words.

Objective Collection in Language Arts: Listening, Oral Expression, and Journalism, Kindergarten-Grade 12: Revised Edition

Objectives in listening cover affective listening, comprehension and interpretation, and analytical listening. Speech (speech types, preparing and delivering a speech) and oral presentation (debate, dramatic presentation, oral interpretation, small group discussion and panel discussion) are major topics under oral expression. The objectives under journalism are concerned with journalistic techniques and journalistic forms.

Objective Collection in Language Arts: Mechanics and Usage, Kindergarten Grade 12: Revised Edition

Objectives in Section I, Mechanics, cover capitalization, punctuation, abbreviations, colon/semicolon, and other internal or end marks. Section II, Usage, includes objectives covering sentence sense, diction, pronoun reference, subject-verb agreement, exactness, wordiness, and general sentence effectiveness.

Objective Collection in Language Arts: Structural Analysis, Kindergarten-Grade 12: Revised Edition

Objectives cover Individual Word Forms (present and past inflections, plurals, possessive suffix, derivational affixes); Multiple Word Forms (contractions, abbreviations and acronyms, com-

pound words); Division of the Form (syllabication, stress); Etymology.

Objective Collection in Language Arts: Study and: Reference Skills, Kindergarten-Grade 12: Revised Edition

A series of objectives designed to prepare the pupil to improve his work in all subjects. Objectives for study skills include: following directions, note-taking, organizing information, summarizing information, studying, and research paper. Reference skills cover the use of data sources including alphabetized material, locating information in a book, using a dictionary, using the telephone directory, library reference books, library skills, mass media references, and checking discrepancies in data.

Objective Collection in Language Arts: Traditional Grammar, Kindergarten-Grade 12: Revised Edition

Objectives in this collection on language skills are organized into two sections. Grammatical Form deals with the form and meaning of parts of speech; Sentence Analysis covers the function of parts of speech within sentences, parts of the sentence and sentence patterns, sentence types and kind of sentence structure. Related evaluation items are provided.

Objective Collection in Language Arts: Transformational Grammar, Kindergarten-Grade 12: Revised Edition

Includes objectives which cover sentence components (phrase structure rules) and transformations (rules for the expansion of lead sentences). All terms and rules are defined in the language of traditional grammar for easy understanding. Sample items accompany each objective.

Objective Collection in Life Science, Kindergarten-Grade 6

This collection deals with plants and animals both as individual organisms and as organisms which interact with each other and their environment. The objectives are grouped in the areas of: individual organism, population, environment, community, ecosystem. An evaluation item is provided for each objective.

Objective Collection in Math: Data Relationships, Kindergarten-Grade 9: Revised Edition

Objectives in this collection cover Graphs (number line graphs; Cartesian graphs and ordered pairs; relations, functions and function rules; graphing linear relations and inequalities; quadratic equations; pictographs; bar graphs; broken line graphs; circle graphs; interpolating bar graphs and broken line graphs); Ratios and Proportions (ratios, identifying and solving proportions for a missing term, solving proportions involving percentage, base, and rate); and Statistics and Probability. Sample evaluation items are provided.

Objective Collection in Math: Figure and Object Characteristics, Kindergarten-Grade 9: Revised Edition

Consists of objectives on measurement including the metric system and measurement without standard devices. A geometry section includes objectives on properties of points, plane curves, planes, plane closed figures, specific plane geometric figures, performing geometric constructions, and properties of geometric solids. Sample items for assessing objective attainment are provided.

Objective Collection in Math: Numbers and Their Operations, Kindergarten-Grade 9: Revised Edition

Objectives are organized under the topics of integers, rational numbers, and operations and properties.

Objective Collection in Math: Symbolism and Notation, Kindergarten-Grade 9: Revised Edition

Objectives cover the areas of sets, numeration, statements, sentences, and logic.

Objective Collection in Mechanical Drawing, Grades 7-12

This collection of instructional objectives and accompanying item pool covers introductory concepts and skills in mechanical drawing. Content areas are: basic drafting skills, beginning lettering, making the drawing, orthographic projections, dimensioning, scale drawing, pictorial drawing, dimensioning pictorial drawings, section drawing, auxiliary views, the draftsman and the shopman, thread conventions and thread symbols, assembly and detail drawing, reference and constructions.

Objective Collection in Music, Kindergarten-Grade 6

Consists of instructional objectives and a pool of items which emphasize major concepts, fundamentals, and applications of music appreciation. Covers melody, harmony, musical forms, musical sound, musical style, rhythm performance skills, and band instruments.

Objective Collection in Physical Education, Kindergarten-Grade 3

Content areas of this collection include perceptual motor, sensory motor, locomotor skills, non-locomotor skills, balance, eye-foot skills, eye-hand skills, and dance.

Objective Collection in Physics, Grades 10-12

Covers concepts and skills basic to secondary school physics courses including: kinematics and dynamics, momentum and energy, heat and thermodynamics, waves and light, electricity and magnetism, atomic physics.

Objective Collection in Social Science (Georgraphy), Kindergarten-Grade 9

The collection covers maps and globe skills, geographical features, vocabulary, climate, land change, time zones, communication, weather, earth and sun relationships, transportation, and man and environment.

Objective Collection in Sociology, Grades 4-9

Series of objectives on basic sociological concepts and terminology including: the method of sociology, social organization, and social processes and change.

Objective Collection in Spanish, Grades 7-12

Emphasis of this collection is placed on the basic concepts and skills involved in understanding, speaking, reading, and writing Spanish.

Objective Collection in Woodworking, Grades 7-12

The instructional objectives and related items cover basic skills and processes involved in woodworking: tool care and use, rough stock, making and fastening joints, and miscellaneous finishing processes.

KeyMath Diagnostic Arithmetic Test by Austin J. Connolly, William Nachtman, and Milo Prichett; c1971; Preschool-Grade 6; American Guidance Service, Inc.

An individually administered test designed to provide a diagnostic assessment of mathematics skills. The test covers the following areas: Content (numerations, fractions, geometry, and symbols), Operations (addition, subtraction, multiplication, division, mental computation, and numberical reasoning), and Applications (word problems, missing elements, money, measurement, and time). The items in each subtest are arranged in order of difficulty. Four levels of diagnostic information are provided: Total Test Performance, Area Performance, Subtest Performance, and Item Performance. The test has no upper grade limit for individual remedial use.

Objectives-Based Test Collection; c1973; Kindergarten-Grade 12; Instructional Objectives Exchange.

A series of criterion-referenced tests designed for use in program evaluation and individual diagnosis. Each collection of measures consists of approximately 40 tests, each of which are keyed to explicitly formulated instructional objectives. All tests are available in two comparable forms.

Language Arts: Composition, Library, and Literary Skills, Kindergarten-Grade 6

The tests cover sentence precision, outlining, paragraph development, paragraph transition, and types of paragraphs; alphabetization, dictionary use, fiction, and non-fiction, Dewey Decimal System, and card catalog use; imagery, rhyme, word stress, poetic device, literary element, and literary types.

Language Arts: Mechanics and Usage, Kindergarten-Grade 6

Subject areas include: capitalization; punctuation; abbreviations; hyphenation; bibliographic form; envelope, letter, and invitation form; plurals; possessives; pronoun reference; degree forms; subject-verbal agreement; irregular past participles, misplaced modifiers, and commonly confused words.

Language Arts: Word Forms and Syntax, Kindergarten-Grade 6

Areas covered include: the parts of speech, verb tense and time, types of verbs, complete sentences, functions of parts of speech in sentences, types of subjects and direct objects, sentence patterns, sentence transforms, and types of clauses.

Mathematics: Geometry, Kindergarten-Grade 6

The test items cover points, lines, planes, simple plane figures, curves, angles, parallelism, perpendicularity, triangle similarity and congruence, circles, segments, polygons, solids, constructions, using formulas, and geometric symbols.

Mathematics: Measurement, Kindergarten-Grade 6

Monetary measurement; time measurement; linear measurement; liquid measurement; weight measurement; distance, rate, time, area, and volume measurement; angle measurement; temperature measurement; pressure, density, and concentration measurement; and scale drawings are the areas covered by this collection.

Mathematics: Numeration and Relations, Kindergarten-Grade 6

The collection covers: numeration, ratios and properties, graphs, statistics and probability, and logic.

Mathematics: Operations and Properties, Kindergarten-Grade 6

The tests assess knowledge of addition, subtraction, multiplication, division, and combined operations.

Mathematics: Sets and Numbers, Kindergarten-Grade 6

The collection includes items on sets, whole numbers, and rational numbers.

Reading: Comprehension Skills, Kindergarten-Grade 6

Subject areas include: main idea, conclusions, sequence, context, clues, punctuation, syntactical structures, and affixes.

Reading: Word Attack Skills, Kindergarten-Grade 6

Items are provided to assess: visual and auditory discrimination, basic sight vocabulary, recognition of sounds and their association with letters, and pronunciation of patterned letter combinations and words.

Social Studies: American Government, Grades 10-12

The test collection covers: introduction to government, our colonial heritage, the American constitution, government and the individual, American politics, the congress, the presidency and the executive, the federal judiciary, and state and local government.

Oral Reading Criterion Test for Determining Independent and Instructional Reading Levels by Edward Fry; c1971; Reading Level: Grades 1-7; Dreier Educational Systems, Inc.

An individually administered test devised to determine the independent and instructional reading levels of both children and adults. The seventh grade reading level is representative of popular adult and non-academic or non-technical secondary reading levels.

Phonics Criterion Test of 99 Phoneme Grapheme Correspondences by Edward Fry; c1971; Grades 1-3; Dreier Educational Systems, Inc.

An individually administered survey test designed to determine areas of difficulty in phonics. Nonsense syllables are used. This criterion referenced test covers easy consonants, short vowels, long and silent vowels, difficult consonants, consonant digraphs, consonant second sounds, schwa sounds, long vowel digraphs, vowel plus R, broad O, diphthongs, difficult vowels, consonant blends, and consonant exceptions.

Prescriptive Mathematics Inventory by John Gessel; c1972; Grades 4-8; CTB/McGraw-Hill.

Designed to provide prescriptive information concerning students' mastery of specific mathematics objectives. The items cover basic operations with whole numbers, fractions, and decimal numbers, the properties of these operations, number theory, measurement, non-metric geometry, numeration systems, percents, sets, statistics, and problem-solving. The test is available in four separate but overlapping levels—Orange, Aqua, Purple, and Level ... References to mathematics materials and learning activities corresponding to specific objectives are provided.

Prescriptive Reading Inventory; c1972; Grades 1.5-6; CTB-McGraw-Hill.

This criterion-referenced test is designed to assess a pupil's mastery of specific reading objectives and to provide information useful in reinforcing, remediating, or supplementing his reading development. The behaviorally stated objectives are grouped into seven areas: Recognition of Sound and Symbol, Phonic Analysis, Structural Analysis, Translation, Literal Comprehension, Interpretive Comprehension, and Critical Comprehension. The Inventory is available in four separate but overlapping levels. Suggested classroom activities and references to textbook series and reading programs are provided for all the objectives.

Progressive Achievement Tests: Listening Comprehension by Warwick B. Elley and Neil A. Reid; c1971; Ages 7-16; New Zealand Council for Educational Research.

Developed to aid teachers in determining the levels of development attained by pupils in the basic skills of listening comprehension. The test measures both simple recall skills (receptive listening) and inferential comprehension (reflective listening). Test results are converted into eleven levels of achievement ranging from very limited to very advanced ability in understanding verbal material presented orally.

Progressive Achievement Tests: Reading Comprehension by Warwick B. Elley and Neil A. Reid; c1969; Ages 8-15; New Zealand Council for Educational Research.

Designed to assess both factual and inferential comprehension of prose material. Results indicate the instructional level at which the child is performing. These level scores may later be converted into percentile norms.

Progressive Achievement Tests: Reading Vocabulary by Warwick B. Elley and Neil A. Reid; c1969; Ages 8-15; New Zealand Council for Educational Research.

Devised to measure the number of common words understood by the examinee. Results indicate the instructional level at which the pupil is performing. These level scores may then be converted to percentile norms.

Reading Progress Scale by Ronald P. Carver; c1970-71; Grades 3-16 and Adults; Revrac Publications.

Designed to measure reading-input performance—the process by which graphic symbols contained in reading material are decoded or translated into a form which can be subsequently stored or understood. The test provides reading level scores, indicating the highest level of material difficulty that an individual can read.

Student Self-Assessment Checklist by Herbert J. Klausmeier; 1970; Kindergarten-Grade 6; Wisconsin Research and Development Center for Cognitive Learning.*

A measure of motivation to succeed in school. The items are based on behavioral objectives indicative of motivation.

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*Included in: Klausmeier, H. J. *The Use of Individual and Group Goal-Setting Conferences as a Motivational Device to Improve Student Conduct and Increase Student Self-Direction: A Preliminary Study*. Madison, Wisconsin: The University of Wisconsin, Wisconsin Research and Development Center for Cognitive Learning, March 1970.

Teacher Assessment of Student Checklist by Herbert J. Klausmeier; 1970; Kindergarten-Grade 6; Wisconsin Research and Development Center for Cognitive Learning.*

Teacher ratings of the student's motivation to achieve in school.

Items are based on behavioral objectives indicative of motivation.

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*Included in: Klausmeier, H. J. *The Use of Individual and Group Goal-Setting Conferences as a Motivational Device to Improve Student Conduct and Increase Student Self-Direction: A Preliminary Study*. Madison, Wisconsin: The University of Wisconsin, Wisconsin Research and Development Center for Cognitive Learning, March 1970.

Tests of Achievement in Basic Skills–Mathematics, Level C by James C. Young and Robert R. Knapp; c1970-71; Grades 7-9; Educational and Industrial Testing Service.

Designed to determine achievement through the operational assessment of specified educational objectives. Skills in the basic operations of addition, subtraction, division, and multiplication within the sets of whole numbers, integers, rational numbers, irrational numbers, and literal numbers are measured in the Arithmetic Skills subtest. The Geometry-Measurement-Application section contains items measuring basic geometric concepts, arithmetic measurements application of basic mathematical skills to practical problems. The Modern Concepts subtest assesses knowledge of concepts such as predictions, sequences, functions, number properties, properties of operations, primes, other number bases, and sets.

Visual Analysis Test by Jerome Rosner; 1971; Kindergarten-Grade 2; Learning Research and Development Center, University of Pittsburgh.

This individually administered test measures the ability to copy geometric designs, a predictor of general visual-motor development. The test items can be used as teaching objectives with the expectation that acquiring competency in the behaviors they represent will be generalized to other related tasks.

Wisconsin Tests of Reading Skill Development: Word Attack, Level A: Developmental Edition by Wayne Otto; c1970; End of Kindergarten-Beginning of Grade 1; National Computer Systems, Inc.

This criterion-referenced test can be administered to small groups of children. It is designed to assess the acquisition of basic word attack skills. The subtests are: Rhyming Words, Rhyming Phrases, Shapes, Letters and Numbers, Words and Phrases, Initial Consonants, and Distinguishing Colors.

Wisconsin Tests of Reading Skill Development: Word Attack, Level B: Developmental Edition by Wayne Otto; c1970; End of Grade 1-Beginning of Grade 2; National Computer Systems, Inc.

Consists of subtests covering: Sight Vocabulary, Beginning Consonant Sounds, Ending Consonant Sounds, Consonant Blends, Rhyming Elements, Short Vowels, Consonant Digraphs, Compound Words, Contractions, Base Words and Endings, Plurals, and Possessives.

Wisconsin Tests of Reading Skill Development: Word Attack, Level C: Developmental Edition by Wayne Otto; c1970; End of Grade 2-Beginning of Grade 3; National Computer Systems, Inc.

Subtests in this measure of word attack skills include: Sight Vocabulary; Consonants and Their Variant Sounds; Consonant Blends; Long Vowel Sounds; Vowel + r, a + l, a + w; Dipthongs; Long and Short oo; Consonant Digraphs, Base Words; Plurals; Homonyms; Synonyms and Antonyms; and Multiple Meanings.

Wisconsin Tests of Reading Skill Development: Word Attack, Level D: Developmental Edition by Wayne Otto; c1970; End of Grade 3-Beginning of Grade 4; National Computer Systems, Inc.

Sight Vocabulary, Three-Letter Consonant Blends, Silent Letters, Syllabication, Accent, Schwa, and Possessives are subtests in this measure of word attack skills.

Woodcock Reading Mastery Tests by Richard W. Woodcock; c1973; Kindergarten-Grade 12; American Guidance Service, Inc.

An individually administered battery of five criterion-referenced tests: Letter Identification, Word Identification, Word Attack, Word Comprehension, and Passage Comprehension. Diagnostic and instructional information can be derived from an analysis of the performance on the five tests. A mastery scale, which indicates a pupil's success potential in selected reading tasks, is also available.

PUBLISHERS ADDRESSES

American Guidance Services, Inc.
Publishers' Building
Circle Pines, Minnesota 50014

American Institutes for Research
8555 16th Street
Silver Spring, Maryland 20910

CTB/McGraw-Hill
Del Monte Research Park
Monterey, California 93940

Delco Readiness Test
111 Linda Lane
Media, Pennsylvania 19063

Dreier Educational Systems, Inc.
320 Raritan Avenue
Highland Park, New Jersey 08904

EDCODYNE Corporation
Suite 935
One City Boulevard West
Orange, California 92668

Educational and Industrial Testing Service
P. O. Box 7234
San Diego, California 92107

Follett Educational Corporation
1010 West Washington Boulevard
Chicago, Illinois 60607

Instructional Objectives Exchange
Box 24095
Los Angeles, California 90024

Learning Research and Development Center
University of Pittsburgh
160 North Craig Street
Pittsburgh, Pennsylvania 15213

National Computer Systems, Inc.
Test Services Division
4401 West 76th Street
Minneapolis, Minnesota 55435

New Zealand Council for Educational Research
Education House
178-182 Willis Street
Wellington C. 2, New Zealand

Revrac Publications
2200 Forest Glen Road
Silver Spring, Maryland 20910

Select-Ed, Inc.
117 North Chester
Suite No. 4
Olathe, Kansas 66061

Southern Illinois University Press
Box 3697
Carbondale, Illinois 62901

Wisconsin Research and Development
Center for Cognitive Learning
1025 West Johnson Street
Madison, Wisconsin 53706

A Supplement to the Test Collection Bibliography:

Criterion-Referenced Measures

Composite Auditory Perception Test by Belle Ruth Witkin, Katharine G. Butler, Dona Lea Hedrick, Charlie C. Manning; c1973; Grades 1-3*; Alameda County School Department, 224 West Winton Avenue, Hayward, CA 94544.

An audio-taped, criterion-referenced test designed to assess major auditory perceptual process related to early language development. *The test may be used with older children with suspected learning and/or language disabilities.

Explorations in Biology by Eugenia M. Koos, et al.; c1970-72; Grade 10; Mid-Continent Regional Educational Laboratory, 104 E. Independence Avenue, Kansas City, MO 64106.

A series of eight two-part tests designed to assess attainment of fourteen objectives concerned with inquiry skill in biology. Topics covered are: bird population, food preferences of newly-hatched snakes, bird aggression, birth defects, rat behavior, venereal disease, courtship of moths, and subnormal children.

Individual Pupil Monitoring System--Mathematics; c1973; Grades 1-8; Houghton Mifflin Company, Pennington-Hopewell Road, Hopewell, NJ 08525.

A series of criterion referenced tests measuring pupil's performance on specified behavioral objectives. Available in eight levels, each having three assessment modules. Information is provided to enable teachers to individualize instruction by objective.

Instructional Objectives Exchange: Objective Collection in Environmental Education, Grades 4-9 by Nancy Dyar; 1974; Grades 4-9; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

This collection of objectives and related items is in four parts: the Natural Ecosystem, the Human Environment, Environmental Problems, and Affect and the Environment.

Instructional Objectives Exchange: Objective Collection in Judgment: Analyzing Fallacies and Weaknesses in Arguments, Grades 7-12 by Richard Morrow; 1974; Grades 7-12; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

This collection covers: Informal Fallacies--fallacies of relevance, insufficient evidence, and ambiguity; Arguments which Compare Context--context mixing, metaphors, and analogies; and Soundness--valid and sound arguments.

Instructional Objectives Exchange: Objective Collection in Spanish, Grades 7-12, Revised Edition by Ildiko Lewis, Pedro Duelo, Kaye Jacobs; 1973; Grades 7-12; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

The collection covers: Listening and Oral Comprehension, Criteria for Pronunciation and Decoding, Speaking, Reading, Criteria for Spelling, Punctuation and Capitalization, Writing, Grammar, and Culture.

Instructional Objectives Exchange: Objective Collection in U.S. History, Grades 10-12, Revised Edition by Helen Rosenau; 1974; Grades 10-12; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Covers: Discovery of the New World, Colonial America, the American Revolution, Forming a New Nation, Sectional Diversity and Discord, the Civil War and Reconstruction, Key Socioeconomic Changes in the Nation, the Reform Era, Expanding Our Interests Beyond the Nation, Prosperity--then Depression, the Emergence of a World Power, the Cold War, the Viet Nam War, Contemporary Reform Movements, and Historical Methods.

Kennedy Institute Phonics Test: Experimental Version by John T. Guthrie, Mary Seifert; Not Dated (test is copyrighted); Ages 5 and Above; John T. Guthrie, The John F. Kennedy Institute, 707 North Broadway, Baltimore, MD 20205.

Assesses subskills involved in single word reading. Subtests are: Whole Word Production--Special Rules, Nonsense Word Production, Long Vowel Word Production, Short Vowel Word Production, Consonant Vowel Production, Letter Sound Production, Letter Naming, Nonsense Word Recognition, Consonant Vowel Recognition, Initial Letter Sound Recognition.

Mathematics Evaluation Materials Package: Addition and Subtraction by Dorothy M. Horn; c1973; Grades 4-6; Ontario Institute for Studies in Education, Department of Measurement and Evaluation, 252 Bloor Street West, Toronto 5, Ontario, Canada

A set of objectives and companion test items covering addition and subtraction.

Mathematics Evaluation Materials Package: Experiences with Sets and Numbers by Dorothy M. Horn; c1972; Grades 4-6; Ontario Institute for Studies in Education, Department of Measurement and Evaluation, 252 Bloor Street West, Toronto 5, Ontario, Canada.

A set of performance objectives and companion test items.

Mathematics Evaluation Materials Package: Fractions and Decimals/Ratio and Per Cent by Dorothy M. Horn; c1973; Grades 4-6; Ontario Institute for Studies in Education, Department of Measurement and Evaluation, 252 Bloor Street West, Toronto 5, Ontario, Canada.

A set of objectives and companion test items covering fractions, decimals, ratio, and per cent.

Mathematics Evaluation Materials Package: Multiplication and Division-Mixed Operations by Dorothy M. Horn; c1973; Grades 4-6; Ontario Institute for Studies in Education, Department of Measurement and Evaluation, 252 Bloor Street West, Toronto 5, Ontario, Canada.

A set of performance objectives and companion test items.

NM Attitude Toward Work Test by Charles C. Healy, Stephen P. Klein; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Designed to assess degree to which the student appreciates the personal and social significance of work.

NM Career Development Test by Charles C. Healy, Stephen P. Klein; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Designed to assess whether a student knows and appreciates what is required to hold a job and to be advanced in an occupation.

NM Career Oriented Activities Checklist by Charles C. Healy, Stephen P. Klein; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Designed to assess whether the student has taken important steps in order to help make an occupational decision.

NM Career Planning Test by Charles C. Healy, Stephen P. Klein; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Designed to assess the student's ability to make appropriate decisions about preparing for and selecting an occupation.

NM Concepts of Ecology Test: Level I; c1973; Grades 6-8; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Designed to assess comprehension of concepts of ecology. The test covers: natural resources, pollution, plant/animal dependencies, life processes, natural balance, geographic evolution and conservation, and natural adaptation.

NM Concepts of Ecology Test: Level 2; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Assesses understanding of basic concepts of ecology and environmental conservation. The test covers: life processes, plant/animal dependencies, geographic evolution and conservation, soil conservation, and natural adaptation.

NM Consumer Mathematics Test; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Assesses the ability to solve consumer problems using the fundamental operations of addition, subtraction, multiplication, and division.

NM Consumer Rights and Responsibilities Test; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Assesses the student's understanding of his rights and responsibilities as a consumer. Test covers: consumer protection laws, economic conditions and terms, insurance, purchase payment plans, personal finance, and product information.

NM Job Application Procedures Test by Charles C. Healy, Stephen P. Klein; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Designed to assess whether the student knows how to apply for a job.

NM Knowledge of Occupations Test by Charles C. Healy, Stephen P. Klein; c1973; Grades 9-12; Monitor, P.O. Box 2337, Hollywood, CA 90028.

Designed to assess whether the student understands the characteristics and requirements of various occupations.

Objectives-Based Test Collections-Language Arts: Composition, Library, and Literary Skills, Kindergarten-Grade 6 by Nola Paxton, Linda Paulson, Nancy Fess, Rae Jeane Popham; c1973; Grades K-6; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Designed to assess mastery of basic composition, library, and literary skills.

Objectives-Based Test Collections-Language Arts: Mechanics and Usage, Kindergarten-Grade 6 by Nola Paxton, Linda Paulson, Nancy Fess, Jeane Popham; c1973; Grades K-6; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Assesses skills in the areas of Mechanics (capitalization and punctuation, using commas) and Usage (plural noun forms, possessive forms, pronoun forms, modifiers, verb agreement, irregular verbs, and commonly confused words).

Objectives-Based Test Collections-Language Arts: Word Forms and Syntax, Kindergarten-Grade 6 by Nola Paxton, Nancy Fess, Linda Paulson, Rae Jeane Popham; c1973; Grades K-6; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Assesses learners' mastery of grammar skills in the areas of word forms and syntax.

Objectives-Based Test Collections-Mathematics: Elements, Symbolism and Measurement, Grades 7-9 by Denis Purcell, Ira Moskow; c1974; Grades 7-9; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Covers: Sets, Integers, Rational Numbers, Real Numbers, Numeration, Sentences and Logic, and Measurement.

Objectives-Based Test Collections-Mathematics: Geometry, Kindergarten-Grade 6 by Denis Purcell, Ira Moskow; c1973; Grades K-6; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Each test in this collection is designed to assess a major skill in the use of geometry.

Objectives-Based Test Collections-Mathematics: Geometry, Operations and Relations, Grades 7-9 by Denis Purcell, Ira Moskow; c1974; Grades 7-9; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

This collection of 51 tests covers five distinct subject areas: Geometry, Operations and Properties, Statistics, Ratios and Proportions, and Graphs.

Objectives-Based Test Collections-Mathematics: Measurement, Kindergarten-Grade 6 by Denis Purcell, Ira Moskow; c1973; Grades K-6; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Designed to measure major skills in the use of measurement.

Objectives-Based Test Collections-Mathematics: Numeration and Relations, Kindergarten-Grade 6 by Denis Purcell, Ira Moskow, Don May; c1973; Grades K-6; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Assesses mastery in the use of numerations and relations. Tests are provided in the areas of numeration, ratios and proportions, graphs, statistics and probability, and logic.

Objectives-Based Test Collections-Social Studies: American Government, Grades 10-12 by Barbara S. Cummings; c1973; Grades 10-12; Instructional Objectives Exchange, Box 24095, Los Angeles, CA 90024.

Designed to assess students' knowledge of basic concepts of American government in the context of eight sub-topics: Our Colonial Heritage, the American Constitution, Government and the Citizen, American Politics, the Congress, the Presidency and the Executive, the Federal Judiciary, and State and Local Government.

Prescriptive Reading Inventory Interim Tests: Experimental Edition, Level A c1973; Grades 1.5-2.5; CTB/McGraw-Hill, Del Monte Research Park, Monterey, CA 93940.

Developed to help teachers determine whether reading instruction has resulted in student mastery of the objectives measured by the Prescriptive Reading Inventory. Covers: Recognition of Sound and Symbol, Phonic Analysis, Structural Analysis, Translation, Literal Comprehension, Interpretive Comprehension, and Critical Comprehension.

Prescriptive Reading Inventory Interim Tests: Experimental Edition, Level B; c1973; Grades 2.0-3.5; CTB/McGraw-Hill, Del Monte Research Park, Monterey, CA 93940.

Developed to help teachers determine whether reading instruction has resulted in student mastery of the objectives measured by the Prescriptive Reading Inventory. Covers: Recognition of Sound and Symbol, Structural Analysis, Translation, Literal Comprehension, Interpretive Comprehension, and Critical Comprehension.

Prescriptive Reading Inventory Interim Tests: Experimental Edition, Level C; c1973; Grades 3.0-4.5; CTB/McGraw-Hill, Del Monte Research Park, Monterey, CA 93940.

Developed to help teachers determine whether reading instruction has resulted in student mastery of the objectives measured by the Prescriptive Reading Inventory. Covers: Phonic Analysis, Structural Analysis, Translation, Literal Comprehension, Interpretive Comprehension, and Critical Comprehension.

Prescriptive Reading Inventory Interim Tests: Experimental Edition, Level D; c1973; Grades 4.0-6.5; CTB/McGraw-Hill, Del Monte Research Park, Monterey, CA 93940.

Developed to help teachers determine whether reading instruction has resulted in student mastery of the objectives measured by the Prescriptive Reading Inventory. Covers: Phonic Analysis, Structural Analysis, Translation, Literal Comprehension, Interpretive Comprehension, and Critical Comprehension.

Reading/Everyday Activities in Life (R/EAL) by Marilyn Lichtman; c1972; Ages 10-Adults; Cal Press, Inc., 76 Madison Avenue, New York, NY 10016.

A measure of functional literacy which can be used both for diagnostic and evaluative purposes. Test consists of nine reading activities used in daily life. Instructions are presented in English or Spanish via audio cassettes.

Tests of Achievement in Basic Skills: Mathematics, Level B by James C. Young; c1972-73; Grades 4-6; Educational and Industrial Testing Service, P.O. Box 7234, San Diego, CA 92107.

A criterion-referenced, diagnostic, mathematics test based on performance objectives. The test is in three parts: Arithmetic Skills, Geometry-Measurement-Application, and Modern Concepts.

Tests of Achievement in Basic Skills: Mathematics, Level D by James C. Young; c1972; Grades 10-12; Educational and Industrial Testing Service, P.O. Box 7234, San Diego, CA 92107.

A criterion-referenced, diagnostic, mathematics test based on performance objectives. Part I, Arithmetic Skills, assesses skills in the four basic operations within the sets of whole numbers, rational numbers, and percent. Part II, Arithmetic Application, covers basic geometric concepts, arithmetic measurements, and application of basic mathematic skills to practical problems.

Wisconsin Tests of Reading Skill Development: Study Skills, Level A
by Wayne Otto; c1973; Grades K-1; National Computer Systems, Inc., Test Services Division, 4401 W. 76th Street, Minneapolis, MN 55435.

Formal written tests are provided to assess two skills: Positions of Objects, and Measurement: Size. A third skill, Representation, is assessed by a formal performance test.

Wisconsin Tests of Reading Skill Development: Study Skills, Level B
by Wayne Otto; c1973; Grades 1-2; National Computer Systems, Inc., Test Services Division, 4401 W. 76th Street, Minneapolis, MN 55435.

A formal written test is provided for the assessment of the following skills: Picture Symbols, Picture Grids, Measurement: Distance, and Graphs: Relative Amounts.

Wisconsin Tests of Reading Skill Development: Study Skills, Level C
by Wayne Otto; c1973; Grades 2-3; National Computer Systems, Inc., Test Services Division, 4401 W. 76th Street, Minneapolis, MN 55435.

Formal written tests are provided for each of the following skills: Nonpictorial Symbols, Color Keys, Number-Letter Grids, Measurement: Size, Measurement: Distance, Graphs: Exact Amounts, Graphs: Differences, Tables: Relative Amounts, Tables: One Cell, and Alphabetizing. A formal performance test is used to assess Book Skills.

Wisconsin Tests of Reading Skill Development: Study Skills, Level D
by Wayne Otto; c1973; Grades 3-4; National Computer Systems, Inc., Test Services Division, 4401 W. 76th Street, Minneapolis, MN 55435.

Formal written tests assess mastery of the following: Point and Line Symbols, Scale: Whole Units, Graphs: Differences, Graphs: Approximate Amounts, Tables: Differences, Indexes, Table of Contents, Alphabetizing, Guide Words, Headings and Subheadings, Selecting Sources, and Facts or Opinions. Mastery of two skills, Cardinal Directions, and Dictionaries and Glossaries, is assessed by formal performance tests.

Wisconsin Tests of Reading Skill Development: Study Skills, Level E
by Wayne Otto; c1973; Grades 4-5; National Computer Systems, Inc., Test Services Division, 4401 W. 76th Street, Minneapolis, MN 55435.

A formal written test is provided to assess each of the following: Point, Line, and Area Symbols, Intermediate Directions, Scale: Multiple Whole Units, Graphs: Differences, Graphs: Purpose and Summary, Tables: Multiplicative Differences, Tables: Purpose and Summary, Indexes, Dictionary Meanings, Cross References, Guide Words, Guide Cards, Specialized References, and Fact Checking. Formal performance tests are used to assess Varied Sources, Note taking, and Books: Special Features.

Wisconsin Tests of Reading Skill Development: Study Skills, Level F by Wayne Otto; c1973; Grades 5-6; National Computer Systems, Inc., Test Services Division, 4401 W. 76th Street, Minneapolis, MN 55435.

A formal written test is provided for each of the following skills: Maps: Analysis, Map Projections, Inset Maps, Different Scales, Graphs: Differences, Schedules: Relationships, Subject Index, Dictionary Pronunciation, Card Filing Rules, Dewey Decimal System, Outlining, and Catalog Cards.

Wisconsin Tests of Reading Skill Development: Study Skills, Level G by Wayne Otto; c1973; Grades 6-7; National Computer Systems, Inc., Test Services Division, 4401 W. 76th Street, Minneapolis, MN 55435.

A formal written test is provided for each of the following: Maps: Synthesis, Latitude and Longitude, Meridians and Parallels, Scale: Fractional Units, Graphs: Multiplicative Differences, Graphs: Projecting and Relating, Schedules: Problem Solving, Reader's Guide, Card Catalogs, and Outlining.

Woodcock Reading Mastery Tests by Richard W. Woodcock; c1973; Grades K-12; American Guidance Service, Inc., Publishers' Building, Circle Pines, MN 55014.

A battery of five individually-administered reading tests: Letter Identification, Word Identification, Word Attack, Word Comprehension, and Passage Comprehension.

August 1974